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“पुराने को छोड़ नये के तरफ”

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IS 8620 (1993): Clamping Nuts for Milling Arbors [PGD 32:
Cutting tools]

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Invent a New India Using Knowledge



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक

मिलिंग आर्बर के लिए क्लैम्प करने की ढिबरियां — विशिष्ट
(पहला पुनरीक्षण)

Indian Standard

CLAMPING NUTS FOR MILLING ARBORS —
SPECIFICATION

(First Revision)

UDC 621.914 : 621.9-229.312.2 : 621.882.3

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Milling Cutters, Saws, Gear Cutting Tools and Broaches Sectional Committee had been approved by the Production Engineering Division Council.

This standard was first published in 1977. In this revision the referred standards have been updated besides other editorial changes.

The committee responsible for the formulation of this standard is given at Annex A.

In the preparation of this standard considerable assistance has been derived from ISO 839/2-1977 'Milling arbors with 7/24 tapers: Part 2 Accessories' issued by the International Organization for Standardization (ISO).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***CLAMPING NUTS FOR MILLING ARBORS—
SPECIFICATION***(First Revision)***1 SCOPE**

This standard covers the dimensions and general requirements of clamping nuts for use on milling arbors.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
4218 (Part 5) : 1979	ISO metric screw threads: Part 5 Tolerances
8611 : 1988	Technical supply conditions for milling arbors and accessories (<i>first revision</i>)

3 DIMENSIONS

Dimensions for clamping nuts for milling arbors shall be as given in Table 1.

4 GENERAL REQUIREMENTS

4.1 Nuts shall be supplied with right-hand threads, unless otherwise specified.

4.2 The tolerance for nuts threads shall be 6H according to IS 4218 (Part 5) : 1979.

4.3 Material and other requirements not covered in this standard shall be according to IS 8611 : 1988.

5 DESIGNATION

A clamping nut with $d_1 = M 20 \times 2$ and conforming to this standard shall be designated as:

Clamping Nut IS 8620 M 20 × 2

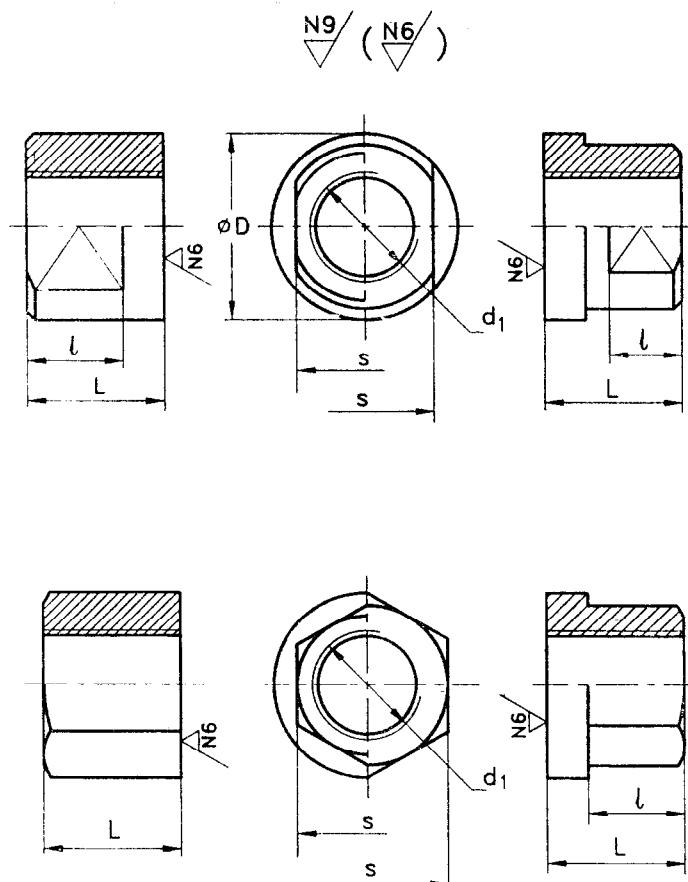
6 MARKING

Each clamping nut to be marked with designation and manufacturer's trade mark.

7 PACKAGING

Ten number of clamping nuts shall be packed in one box or as agreed between the supplier and the purchaser.

Table 1 Dimensions for Clamping Nuts for Milling Arbors
(Clause 3)



All dimensions in millimetres.

For Arbor Diameter	d_1	D Approx	L js15	s (For $s \leq 32$, h 13 $s > 32$, h 14)	t
16	M 16 × 1.5	27	16	24	11
22	M 20 × 2	34	22	30	16
27	M 24 × 2	41	28	36	22
32	M 27 × 2	47	32	41	25
40	M 33 × 2	55	40	50	31
50	M 39 × 3	69	45	60	35
60	M 45 × 3	84	56	70	43
80	M 56 × 4	109	63	85	48
100	M 68 × 4	134	70	100	52

ANNEX A
(Foreword)

COMMITTEE COMPOSITION

Milling Cutters, Saws, Gear Cutting Tools and Broaches Sectional Committee, PE 11

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